

WHAT IS CLAIMED IS:

1. A system for capturing information about objects moving relative to the system comprising:
- an object dimensioning system for producing object dimension information for the objects;
 - an object identification system for producing object identification information for the objects; and
 - an image capture system for producing electronic images of the objects.
2. The system of claim 1, wherein the objects are parcels.
3. The system of claim 1, wherein the object dimension information, object identification information, and electronic images each have time stamp information associated therewith.
4. The system of claim 3, wherein object dimension information, object identification information, and electronic images of an object are correlatable based on the time stamp information.
5. The system of claim 1, wherein the object identification system comprises at least one bar code scanner.

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6. The system of claim 5, wherein object dimension information associated with an object is correlated to object identification information associated with the same object using information about a scan pattern produced by the bar code scanner and time stamp information.

7. The system of claim 1, wherein the object dimensioning system comprises at least one vertical height scanner.

8. An intra-facility system for capturing, storing, and accessing object information comprising:

one or more object information capture systems for capturing information about objects being processed;

a server for storing and accessing the object information from the one or more object information capture systems; and

one or more user terminals for requesting specific object information from the server;

wherein the captured information includes object dimension information, object identification information, and object image information.

9. An inter-facility system for capturing, storing, and accessing object information obtained from at least two object processing facilities comprising:

at least one object information capture system located at each facility for capturing information about objects being processed;

a server located at each facility for storing the information about the objects being processed at that facility;

an index server for identifying the facility at which the information associated with each object is stored.

10. A method of determining dimensions of an object comprising:

capturing information about the shape of the object;

processing the captured information to provide a three dimensional model of the of the object;

calculating a dimensional confidence value based on the three dimensional model of the object;

capturing an image of the object;

displaying, if the dimensional confidence value is below a threshold value, the model of the object and the image of the object to a human operator to confirm the fit of the model to the object; and

accepting the three dimensional model or not based on an indication from the human operator.

11. The method of claim 10, wherein the three-dimensional model is used to determine a dimensional weight of the object.

12. A method of determining dimensions of an object comprising:

capturing information about the shape of the object;

processing the captured information to provide a three dimensional model of the
of the object;

calculating a dimensional confidence value based on the three dimensional
model of the object;

capturing an image of the object;

displaying, if the dimensional confidence value is below a threshold value, the
model of the object and the image of the object to a human operator;

allowing the human operator to adjust the data corresponding to the three
dimensional model; and

applying the adjusted model as a new dimensional model of the object.

13. The method of claim 12, wherein the three-dimensional model is used to
determine a dimensional weight of the object.

14. The method of claim 12, wherein the adjustment to the three dimensional model
includes splitting a model of an object that encompasses multiple objects into data
reflecting the multiple objects.

15. The method of claim 12, wherein the adjustment to the three dimensional model
includes permitting the human operator to edit the data corresponding to the three
dimensional data.

16. A computer program for determining dimensions of an object, the program performing a method comprising:

- capturing information about the shape of the object;
- processing the captured information to provide a three dimensional model of the object;
- calculating a dimensional confidence value based on the three dimensional model of the object;
- capturing an image of the object;
- displaying, if the dimensional confidence value is below a threshold value, the model of the object and the image of the object to a human operator to confirm the fit of the model to the object; and
- accepting the three dimensional model or not based on an indication from the human operator.

17. A computer program for determining dimensions of an object, the computer program performing a method comprising:

- capturing information about the shape of the object;
- processing the captured information to provide a three dimensional model of the object;
- calculating a dimensional confidence value based on the three dimensional model of the object;
- capturing an image of the object;

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displaying, if the dimensional confidence value is below a threshold value, the model of the object and the image of the object to a human operator;

allowing the human operator to adjust the data corresponding to the three dimensional model; and

applying the adjusted model as a new dimensional model of the object.

18. The computer program of claim 17, wherein the adjustment to the three dimensional model includes splitting a model of an object that encompasses multiple objects into data reflecting the multiple objects.

19. The computer program of claim 17, wherein the adjustment to the three dimensional model includes permitting the human operator to edit the data corresponding to the three dimensional data.

20. A computer readable storage medium for storing a program for determining dimensions of an object, the program performing a method comprising:

capturing information about the shape of the object;

processing the captured information to provide a three dimensional model of the of the object;

calculating a dimensional confidence value based on the three dimensional model of the object;

capturing an image of the object;

displaying, if the dimensional confidence value is below a threshold value, the model of the object and the image of the object to a human operator to confirm the fit of the model to the object; and

accepting the three dimensional model or not based on an indication from the human operator.

21. A computer readable medium for storing a program for determining dimensions of an object, the program performing a method comprising:

capturing information about the dimensions of the object;

processing the captured information to provide a three dimensional model of the object;

calculating a dimensional confidence value based on the three dimensional model of the object;

capturing an image of the object;

displaying, if the dimensional confidence value is below a threshold value, the model of the object and the image of the object to a human operator;

allowing the human operator to adjust the data corresponding to the three dimensional model; and

applying the adjusted model as a new dimensional model of the object.

22. The computer readable medium of claim 21, wherein the adjustment to the three dimensional model includes splitting a model of an object that encompasses multiple objects into data reflecting the multiple objects.

23. The computer readable medium of claim 21, wherein the adjustment to the three dimensional model includes permitting the human operator to edit the data corresponding to the three dimensional data.

24. A user interface for providing information about an object to a user, the interface comprising:

an image section for providing an image of the object; and

a virtual reality modeling section for providing a three dimensional model of the object based on dimensional information captured about the object.

25. The user interface of claim 24, wherein the virtual reality modeling section provides a selectable interface for selecting different views of the three dimensional model.

26. The user interface of claim 24, further comprising an object identifier section for providing an object identifier for the object.

27. The user interface of claim 24, further comprising a dimensional confidence section for providing a statistical confidence value based on the three dimensional model of the object.

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